

Docket No.: 043877-0145

## DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter claimed and for which a patent is sought on the invention entitled CERAMIC BLOCK WITH BUILT IN ELECTRODE AND METHOD OF MANUFACTURE THEREOF, the specification of which

- ☐ is attached hereto.
- ☒ was filed on June 21, 2005, as PCT International Application Number PCT/JP2005/012255 and was amended on (if applicable), or
- ☐ is a Continuation-In-Part (CIP) of Application Number , filed

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is known to me to be material to patentability in accordance with Title 37, Code of Federal Regulations, Section 1.56 including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35, United States Code, Section 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent or inventor's or plant breeder's right certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's, or plant breeder's rights certificate, or any PCT international application having a filing date before that of the application on which priority is claimed:

### Prior Foreign Applications(s):

Number	Country	Day/Month/Year filed	Priority Claimed
JP 2004-182505	Japan	June 21, 2004	<input checked="" type="checkbox"/>

I hereby claim the benefit under 35 United States Code, Section 119(e) of any United States provisional application(s) listed below.

### Prior Provisional Application(s):

Application Number	Filing Date
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I hereby claim the benefit under 35, United States Code, Section 120 of any United States application(s) or 365(c) of any PCT international application designating the United States, listed

below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35, United States Code, Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

**Prior U.S. Application(s):**

Application No.

Filing Date

Status: Patented, Pending, Abandoned

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**POWER OF ATTORNEY:**

As a named inventor, I hereby appoint the registered practitioners of McDermott Will & Emery LLP, included in the Customer Number provided below, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

**CUSTOMER NUMBER 31824**

Send correspondence to the address associated with Customer Number 31824

McDermott Will & Emery LLP  
18191 Von Karman Ave., Suite 500  
Irvine, CA 92612-7108

Direct Telephone Calls to: Telephone 949.851.0633

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Full name of sole or first inventor: Shigemi SUZUKI

Inventor's signature:

鈴木 茂美

Date: August 5, 2006

Residence: Ishikawa, Japan

Citizenship: Japan

Post Office Address: c/o Sodick EMG Co., Ltd., Ho-49-1, Yokaichimachi,  
Kaga, Ishikawa 922-0336, Japan

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Full name of sole or second inventor: Kazuyuki DEGUCHI

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Inventor's signature:

出口 一 子

Date: August 22, 2006

Residence: Ishikawa, Japan

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Citizenship: Japan

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Post Office Address: c/o Sodick EMG Co., Ltd., Ho-49-1, Yokaichimachi,  
Kaga, Ishikawa 922-0336, Japan

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Full name of sole or third inventor: Yoshiharu ISHIMI

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Inventor's signature:

石見 嘉治

Date: August 7, 2006

Residence: Ishikawa, Japan

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Citizenship: Japan

---

Post Office Address: c/o Sodick EMG Co., Ltd., Ho-49-1, Yokaichimachi,  
Kaga, Ishikawa 922-0336, Japan

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**Docket No.: 043877-0145**

**PATENTS ONLY**

To the Director of the U. S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of Conveying Party(ies)**

1) Shigemi SUZUKI; 2) Kazuyuki DEGUCHI; and  
3) Yoshiharu ISHIMI

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

**3. Nature of Conveyance/Execution Date(s)**

Execution Date(s): 1) August 5, 2006 2) August 22, 2006  
3) August 7, 2006

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other

**2. Name and address of receiving party(ies)**

Name: SODICK CO., LTD.

Address: 3-12-1, Nakamachidai  
Tsuzuki-ku, Yokohama  
Kanagawa 224-8522, JAPAN

Additional name(s) & address(es) attached? ☐ Yes ☒ No

**4. Application or patent number(s):**

A. Patent Application No(s).  
10/590,360

- ☐ This document is being filed together with a new application.  
B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: MCDERMOTT WILL & EMERY LLP  
Internal Address:  
  
Street Address: 18191 Von Karman Ave., Suite 500  
  
City: Irvine State: CA Zip: 92612-7108  
Phone Number: 949.851.0633  
Fax Number: 949.851.9348  
Email Address:

**6. Total number of applications and patents involved:** 1

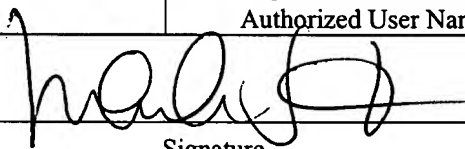
- 7. Total fee (37 CFR 1.21(h) & 3.41)** \$40.00  
☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information:**

- a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_  
b. Deposit Account Number 502203  
Authorized User Name Mark J. Itri

**9. Signature.**

Mark J. Itri Reg. No. 36,171



May 11, 2007

Name and Registration No. of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments and documents: 2

Docket No.: 043877-0145

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- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other

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Name: SODICK CO., LTD.

Address: 3-12-1, Nakamachidai  
Tsuzuki-ku, Yokohama  
Kanagawa 224-8522, JAPAN

Additional name(s) & address(es) attached? ☐ Yes ☒ No

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10/590,360

☐ This document is being filed together with a new application.

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: MCDERMOTT WILL & EMERY LLP

Internal Address:

Street Address: 18191 Von Karman Ave., Suite 500

City: Irvine State: CA Zip: 92612-7108

Phone Number: 949.851.0633

Fax Number: 949.851.9348

Email Address:

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00  
☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

8. Payment Information:

- a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_  
b. Deposit Account Number 502203  
Authorized User Name Mark J. Itri

9. Signature.

Mark J. Itri Reg. No.36,171

May 11, 2007

Name and Registration No. of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments and documents: 2

ASSIGNMENT

WHEREAS WE, Shigemi SUZUKI, Kazuyuki DEGUCHI, Yoshiharu ISHIMI, all of c/o Sodick EMG Co., Ltd., Ho-49-1, Yokaichimachi, Kaga, Ishikawa 922-0336, Japan, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled CERAMIC BLOCK WITH BUILT IN ELECTRODE AND METHOD OF MANUFACTURE THEREOF, and filed concurrently herewith;

AND WHEREAS, Sodick Co., Ltd., a corporation of Japan and having an address of 3-12-1, Nakamachidai, Tsuzuki-ku, Yokohama, Kanagawa 224-8522, Japan, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, We do hereby sell, assign, transfer and set over unto Sodick Co., Ltd., its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including the right of priority and including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, We hereby agree with the said assignee that We will not execute any writing or do any act whatsoever conflicting with these presents, and that We will, at any time upon request, without further or additional consideration but at the expense of said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and assignee;

AND We request the Commissioner for Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said Sodick Co., Ltd., its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

August 5, 2006  
Date

鈴木茂美  
Shigemi SUZUKI

August 22, 2006  
~~August 7, 2006~~  
Date

Kazuyuki DEGUCHI  
出口 一之  
Yoshiharu ISHIMI

August 7, 2006  
Date

石見嘉治  
Yoshiharu ISHIMI